



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

*Am*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/727,182	11/30/2000	Niels Mache	450117-02928	5601

20999 7590 05/13/2005

FROMMER LAWRENCE & HAUG  
745 FIFTH AVENUE- 10TH FL.  
NEW YORK, NY 10151

EXAMINER
----------

LAZARO, DAVID R

ART UNIT	PAPER NUMBER
----------	--------------

2155

DATE MAILED: 05/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/727,182

Applicant(s)

MACHE ET AL.

Examiner

David Lazaro

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 22 February 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

1. This office action is in response to the RCE filed 02/22/05.
2. Claims 1, 12 and 15 were amended.
3. Claims 1-21 are pending in this office action.

***Response to Amendment***

4. The rejections of Claims 1, 12 and 15 under 35 U.S.C. §112, first paragraph (written description), are withdrawn.
5. The rejections of Claims 1, 12 and 15 under 35 U.S.C. §112, first paragraph (enablement), are withdrawn.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1-18, 20 and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 5,740,230 by Vaudreuil (Vaudreuil) in view of U.S. Patent 5,958,005 by Thorne et al. (Thorne).
8. With respect to Claim 1, Vaudreuil teaches a system for transmitting messages over a multimedia network from a sending client to a target client, the messages comprising target client information (Col. 1 lines 52-58), the system

Art Unit: 2155

comprising: a plurality of message gateways (Col. 7 lines 52-65), each message gateway being configured to receive and transmit over at least one dedicated transfer medium (Col. 7 lines 54-59 and Col. 3 line 66 – Col. 4 line 20), and a message broker (1) (Col. 7 line 65 – Col. 8 line 1; note the examiner is interpreting the 'remainder of the software system' on the hub to be the message broker) connected to the message gateways (Col. 7 line 65- Col. 8 line 1) and being provided with a client database (Col. 8 lines 46-51 and Col. 9 lines 61-65), wherein a first message gateway receives a message from a sending client over a first transfer medium (Col. 10 lines 37-41 and Col. 12 lines 21-36) and transmits the message and/or an information extracted thereof to the message broker (1), the message broker (1) automatically selects an appropriate second transfer medium depending on the content of the client database (2) and the supplied message and/or an information extracted thereof (Col. 15 lines 13-20 and Col. 19 lines 49-56), and the message is sent to the target client by means of a second message gateway configured for a transmission over the second transfer medium selected by the message broker (1) (Col. 6 lines 46-65), and wherein messages include meta information containing a plurality of different fields (Col. 24 lines 24-52 - Particularly the labeling feature, and Col. 26 line 31 - Col. 27 line 15 - Particularly the "subject matter field" and the "message content type" field), wherein the message broker controls the message flow by inspecting the meta information of the messages (Col. 24 lines 24-52 and Col. 26 line 31 - Col. 27 line 15). Vaudreuil does not explicitly disclose one of the fields being a secure read count and a maximum read count value limiting the maximum reads

Art Unit: 2155

of the message. Thorne teaches meta information related to a message can include a secure read count and a maximum read count which limit the maximum reads of the message (Col. 8 lines 1-20 and Col. 11 lines 5-12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to take the system disclosed by Vaudreuil and modify it as indicated by Thorne such that messages include meta information containing a plurality of different fields, one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message. One would be motivated to have this as there is need for controlling the circulation and usage of messages (Col. 2 lines 45-56 of Thorne).

9. With respect to Claim 2, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches a common internal message format for the communication respectively between the message broker (1) and the message gateways (Col. 6 line 65 – Col. 7 line 9 and Col. 13 lines 2-15 and Col. 19 lines 36-48 of Vaudreuil)

10. With respect to Claim 3, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the message gateways are distributed over the network (See Fig. 1 of Vaudreuil – note gateways are part of the hub functionality).

11. With respect to Claim 4, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the transfer media comprise analog and digital transfer media (Col. 7 lines 49-60 of Vaudreuil).

Art Unit: 2155

12. With respect to Claim 5, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches at least one message processor (4) provided between the first and the second message gateway for further processing the content of the message to be transmitted (Col. 19 line 66 – Col. 20 line 8 of Vaudreuil).

13. With respect to Claim 6, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the client database (2) comprises addresses of clients (Col. 21 lines 41-46), client preferences (Col. 20 lines 9-11) and/or characteristics of the transfer network to the corresponding target client (Col. 20 lines 11-12 of Vaudreuil).

14. With respect to Claim 7, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the message broker (1) is designed to furthermore perform processing control (Col. 8 lines 22-65 of Vaudreuil) and/or security processing (Col. 28 lines 63-67 of Vaudreuil).

15. With respect to Claim 8, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the message broker (1) is designed to furthermore perform accounting and/or billing (Col. 9 lines 61-65 of Vaudreuil).

16. With respect to Claim 9, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches a plurality of message brokers (1, 1') is provided (See Fig. 1 of Vaudreuil – note message brokers are a part of hub functionality).

17. With respect to Claim 10, Vaudreuil in view of Thorne teaches all the limitations of Claim 9 and further teaches at least one message broker (1') being

Art Unit: 2155

connected with a client database (2') with reduced capacity (Col. 7 lines 61-65 and Col. 8 lines 65-67 of Vaudreuil).

18. With respect to Claim 11, Vaudreuil in view of Thorne teaches all the limitations of Claim 1 and further teaches the messages respectively contain a non-granted encrypted and a granted non-encrypted part (Col. 28 lines 63-67 of Vaudreuil).

19. With respect to Claim 12, Vaudreuil teaches a message broker unit for a distributed multimedia system, characterized in that it is designed to autonomously select an appropriate transfer medium out of a plurality of transfer media for message received from a sending client and to be transferred to a target client (Col. 4 lines 46-49 and Col. 19 lines 49-57), wherein the message broker (1) (Col. 6 lines 46-48) is connected to a client database (2) (Col. 8 lines 46-51 and Col. 9 lines 61-65) and the transfer medium selection is performed depending on target client information and the content of the client database (Col. 20 lines 9-12 and Col. 6 lines 55-59), and wherein messages include meta information containing a plurality of different fields (Col. 24 lines 24-52 - Particularly the labeling feature, and Col. 26 line 31 - Col. 27 line 15 - Particularly the "subject matter field" and the "message content type" field), wherein the message broker controls the message flow by inspecting the meta information of the messages (Col. 24 lines 24-52 and Col. 26 line 31 - Col. 27 line 15). Vaudreuil does not explicitly disclose one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message. Thorne teaches meta information related to a message can include a secure

Art Unit: 2155

read count and a maximum read count which limit the maximum reads of the message (Col. 8 lines 1-20 and Col. 11 lines 5-12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to take the message broker unit disclosed by Vaudreuil and modify it as indicated by Thorne such that messages include meta information containing a plurality of different fields, one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message. One would be motivated to have this as there is need for controlling the circulation and usage of messages (Col. 2 lines 45-56 of Thorne).

20. With respect to Claim 13, Vaudreuil in view of Thorne teaches all the limitations of Claim 12 and further teaches the transfer medium selection is performed depending on the target network (Col. 6 lines 55-59 of Vaudreuil), the message type (Col. 20 lines 9-12 of Vaudreuil) and/or client preference contained in the client database (Col. 19 lines 49-56 of Vaudreuil)

21. With respect to Claim 14, Vaudreuil in view of Thorne teaches all the limitations of Claim 12 and further teaches the messages respectively contain a non-granted encrypted and a granted non-encrypted part (Col. 28 lines 63-67 of Vaudreuil).

22. With respect to Claim 15, Vaudreuil teaches a method for sending messages over a multimedia network from a sending client to a target client, the message comprising target client information (Col. 1 lines 52-58), the method comprising the following steps: transmitting the message from the sending client to a message broker (1) over a first transfer medium (Col. 6 lines 46-48), and



Art Unit: 2155

transmitting the message to the target client over a second transfer medium, wherein the second transfer medium can be identical to the first transfer medium (Col. 5 lines 60-66), wherein the message broker (1) selects an appropriate second transfer medium out of a plurality of transfer media depending on the content of a client database (2) (Col. 19 lines 49-56) connected to the message broker (1) (Col. 8 lines 46-51 and Col. 9 lines 61-65) and the target client information (Col. 19 lines 49-56 and Col. 20 lines 9-12), and wherein messages include meta information containing a plurality of different fields (Col. 24 lines 24-52 - Particularly the labeling feature, and Col. 26 line 31 - Col. 27 line 15 - Particularly the "subject matter field" and the "message content type" field), wherein the message broker controls the message flow by inspecting the meta information of the messages (Col. 24 lines 24-52 and Col. 26 line 31 - Col. 27 line 15). Vaudreuil does not explicitly disclose one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message. Thorne teaches meta information related to a message can include a secure read count and a maximum read count which limit the maximum reads of the message (Col. 8 lines 1-20 and Col. 11 lines 5-12). It would have been obvious to one of ordinary skill in the art at the time the invention was made to take the method disclosed by Vaudreuil and modify it as indicated by Thorne such that messages include meta information containing a plurality of different fields, one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message. One would be motivated to

Art Unit: 2155

have this as there is need for controlling the circulation and usage of messages (Col. 2 lines 45-56 of Thorne).

23. With respect to Claim 16, Vaudreuil in view of Thorne teaches all the limitations of Claim 15 and further teaches the transmission of the message from the sending client to the target client is performed essentially in real-time (Col. 24 line 63 – Col. 25 line 3 of Vaudreuil).

24. With respect to Claim 17, Vaudreuil in view of Thorne teaches all the limitations of Claim 15 and further teaches a conversion from the first transfer medium to the second transfer medium is performed depending on the target network (Col. 6 lines 55-59 of Vaudreuil), the message type (Col. 20 lines 9-12 of Vaudreuil) and/or client preference contained in the client database (Col. 19 lines 49-56 of Vaudreuil).

25. With respect to Claim 18, Vaudreuil in view of Thorne teaches all the limitations of Claim 15 and further teaches before the transmission to the target client, the content of the message is further processed by digital signing, encryption, watermarking and/or translation (Col. 32 lines 57-64 and Col. 28 lines 63-67 of Vaudreuil).

26. With respect to Claim 20, Vaudreuil in view of Thorne teaches all the limitations of Claim 15 and further teaches the messages respectively contain a non-granted encrypted and a granted non-encrypted part (Col. 28 lines 63-67 of Vaudreuil).

27. With respect to Claim 21, Vaudreuil in view of Thorne teaches all the limitations of Claim 15 and further teaches that when loaded into a computer, it

Art Unit: 2155

implements a method according to Claim 15 (Col. 7 lines 47-49 of Vaudreuil and Please refer to Claim 15 rejection).

28. Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over Vaudreuil in view of Thorne as applied to claim 15 above, and further in view of U.S. Patent 6,163,796 by Yokomizo (Yokomizo). Vaudreuil in view of Thorne teaches all the limitations of Claim 15 but does not explicitly disclose a lifetime is attributed to each message and transmitting the message only during that lifetime. Yokomizo teaches a message can have a lifetime attributed to it (Col. 6 lines 4-5). It would have been obvious to one of ordinary skill in the art at the time the invention was made to take the method disclosed by Vaudreuil in view of Thorne and modify it as indicated by Yokomizo such that a lifetime is attributed to each message and the message is only transmitted until the expiration of the lifetime. One would be motivated to have this as this provides better efficiency in the messaging system (Col. 2 lines 5-9 of Yokomizo).

### ***Response to Arguments***

29. Applicant's arguments filed 11/23/04 have been fully considered but they are not persuasive.

30. Applicants argue (bottom of Page 9 or remarks) - *"In contrast, Vaudreuil and Thorne, individually or in combination, fail to teach or suggest providing messages transmitted over the multimedia network to include meta information containing a plurality of different fields, one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the*

*message, wherein the message broker controls the message flow by inspecting the meta information of the messages."*

a. Vaudreuil actually teaches the use of meta information being included with message transmitted in the system described by Vaudreuil. Particularly, Vaudreuil teaches there may be various fields associated with a transmitted message such as those that label the message (Col. 24 lines 24-52) and those that describe subject matter of the message as well as content type (Col. 26 line 31 - Col. 27 line 15). The examiner considers this information included with the messages as being meta information as it information about or describing the content of the message (it is not part of the content itself). These fields as described in the above citations of Vaudreuil are further directly used by the message broker in determining the message flow. For example, Col. 24 lines 43-49 describes the "private" label as preventing a message from being forwarded. Col. 26 line 65 - Col. 27 line 3 states, "Messages passing through the communication system of the present invention can be routed on the basis of the message subject matter, message content type, and the source address. Any permutation of these three factors can be used to route the message to any of the recipient's various messaging systems." (emphasis added). When the teachings of Vaudreuil are considered in combination with the teachings of Thorne, "one of the fields being a secure read count and a maximum read count value limiting the maximum reads of the message" is obvious as presented in the rejection of the claims.


Art Unit: 2155

**Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Lazaro whose telephone number is 571-272-3986. The examiner can normally be reached on 8:30-5:00 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ario Etienne can be reached on 571-272-4001. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
David Lazaro  
May 6, 2005

  
**CHARAT BAROT**  
**PRIMARY EXAMINER**